Electrochemical Enhancement of Bio-Ethanol and Metabolite Production

Technology

This method accelerates the production of ethanol and other metabolites by implementing an electron removal process for a species of microbes used in the fermentation step of a bio-ethanol manufacturing process.

Competitive Advantage

Existing industries which use fermentation by microbes as a manufacturing step in their process to produce bio-ethanol or other commercially used metabolites can implement this technology with a minimal capital investment to increase production and cut cost of production.

Applications

Include industries which make ethanol by means of fermenting microbes as a bio-ethanol fuel, as a beverage, or industries which by means of fermenting microbes commercially make ethanol or other metabolites for use in personal care, pharmaceutical or cleaning products.

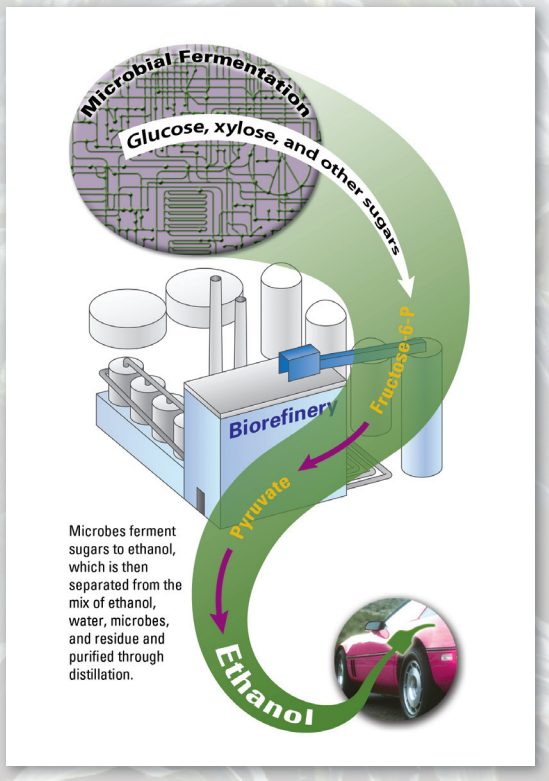

Image courtesy of U.S. Department of Energy Genome Programs, http://genomics.energy.gov

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License Status

Available for Licensing
- Non-Exclusive
- Exclusive

Patent Status

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